

12 Disadvantaged Community Assistance

12.1 Project 1 – Cross Valley Canal to Calloway Canal Intertie

Project 1 will benefit DACs' water supply in the Region, but, it is not requesting a DAC funding match waiver.

12.2 Project 2 – Madera Avenue Intertie

Project 2 will benefit DACs' water supply in the Region, but, it is not requesting a DAC funding match waiver.

12.3 Project 3 – Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins

Project 3 will have little direct benefit to DACs in the Region and it is not requesting a DAC funding match waiver.

12.4 Project 4 – On-Farm Mobile Lab, Water Use Efficiency Services

Project 4 will have little direct benefit to DACs in the Region and it is not requesting a DAC funding match waiver.

12.5 Project 5 - DAC Fund for Feasibility-Level Studies and Well Destruction Program

12.5.1 Step A: Documentation of the Presence and Needs of DACs

A Disadvantaged Community is defined as a community with an annual median household income that is less than 80 percent of the statewide annual median household income. The estimated median household income for the 5 communities that would directly benefit from Project 5 is shown in Exhibits 12.5-1A through 12.5-1E. The Medium household Income ranges from \$23,750 (community of Allensworth) to \$31,875 (community of Lost Hills).

The annual median household income for California is estimated to be \$47,493 in 1999 dollars (U.S. Census, <http://factfinder.census.gov>). Therefore, the median household income ranges from 50% (Allensworth) to 67% (Lost Hills) of the statewide annual median household income. Delano, Ducor, Lost Hills and Wasco are census designated places, and in each case its boundaries were used to determine information relevant to DAC status.

Allensworth was not a census designated place in the Year 2000 census and is located within larger Census Tract (43) Block Group (1) so data from this larger area was utilized.

Exhibit 12.5-1A

The Community of Allensworth Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the entire community of Allensworth will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Allensworth had a median income of \$23,750 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income	2000
Source of information	U.S. Census Bureau, Census 2000

Table 12.5-1B

The Community of Ducor Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the entire community of Ducor will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Ducor had a median income of \$33,125 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income	2000
Source of information	U.S. Census Bureau, Census 2000

Table 12.5-1C

The City of Wasco Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the entire City of Wasco will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Wasco had a median income of \$28,997 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income	2000
Source of information	U.S. Census Bureau, Census 2000

Table 12.5-1D

The City of Delano Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the entire City of Delano will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Delano had a median income of \$ 28,143 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income	2000
Source of information	U.S. Census Bureau, Census 2000

Exhibit 12.5-1E

The Community of Lost Hills Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the entire Community of Lost Hills will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Lost Hills had a median income of \$31,875 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income	2000
Source of information	U.S. Census Bureau, Census 2000

Exhibit 12.5-2 provides a synopsis of each community's demographics information. The Poso Creek IRWM Plan identified each community within the Region as a DAC. Appendix 12-1 includes Figure 1-6 of the Poso Creek Plan that shows the DACs within the Poso Creek Region and additional DAC boundary maps and information used to determine DAC status. Since the community of Ducor is not in within the Poso Creek IRWMP Region, the RWMG has sought and gained concurrence with DWR to include it for the purposes of funding project development in a DAC.

Exhibit 12.5-2 A synopsis of each community's demographics.

Community	Population	Households	Median Household Income in 1999	MHI as % of CA MHI (<80% = DAC)
Allensworth	430	120	\$23,750	50.0%
Ducor	500	123	\$33,125	69.7%
City of Wasco	21,263	4,256	\$28,997	61.0%
City of Delano	38,824	8,830	\$28,143	59.2%
Lost Hills Utility District	1,938	369	\$31,875	67.1%

12.5.2 Step B: Description of Proposed Project and Targeted Benefits to DACs

Project 5 will address critical water supply needs in DACs by providing funding for project development and proper well destruction not available from other sources. Project funding will be used to:

- Perform feasibility and engineering studies necessary to construct facilities to solve defined water supply problems, and
- Buy down the cost of destroying unused wells that pose a threat to DAC water supplies.

The DAC communities do not have the resources to fund feasibility studies and engineering design needed to secure funding to construct facilities that would solve their problems. As a result of the project, each DAC will have the necessary materials to proceed with application for project construction funding and subsequently request construction bids.

Owners typically regard unused wells as potential backup in the event that additional supplies are needed. However, these older wells were often constructed without regard to isolating poor quality zones or deteriorate with time, in either case allowing poor quality water to enter higher quality production zones. This can contribute significantly to water quality problems in near-by urban supply wells. The two most common contaminants in DAC water supply wells are Arsenic and Nitrate (discussed below). Both contaminants are difficult and very expensive remove once in a domestic water supply.

Of the many contaminants found in the Poso IRWM Plan area's groundwater, there are two primary contaminants generally found in the groundwater used by DACs as their drinking water. These are nitrate and arsenic. Each of the DACs supported in this project rely exclusively on pumped groundwater for its municipal needs. Up until 2001, disinfection had been the only required form of treatment. When the EPA reduced the MCL for arsenic in drinking water from 50 ppb to 10 ppb with a compliance date of January, 2006, several DAC wells exceeded the new MCL. The lower standard was adopted because living with arsenic-

contaminated wells poses a serious health threat, and in the Poso Creek Region, to DAC residents in particular. In the Poso Creek Region arsenic is a highly prevalent naturally occurring element in the groundwater due to the natural geology, predominantly found in the deeper parts of the aquifer.

Another serious contaminate in the Poso IRWM Plan area groundwater is Nitrate. The common sources of nitrate include: fertilizers and manure, animal feedlots, municipal wastewater and sludge and septic systems. Due to its high mobility, nitrate can easily leach into groundwater. Possible health effects from short-term exposure to nitrates in drinking water can result in methemoglobinemia or Blue Baby Syndrome. Without immediate treatment, this can be fatal. Other health effects from short-term exposure are diarrhea and vomiting, spontaneous abortions, stillbirths or Sudden Infant Death Syndrome (SIDS).

Additionally, the DACs typically have seen water levels in their wells drop substantially in dry years such as 2007 and 2008. To the extent that surface water supplies are reduced, groundwater pumping for irrigation is increased by a like amount. Inasmuch as Delano and the surrounding agriculture rely on a common groundwater basin, agricultural pumping affects municipal pumping and vice versa. The result is increased electrical cost of pumping, plus the need to extend/change pumping equipment, lower production, decline in water quality, and potentially, subsidence.

The benefits of this Project align with the IRWM Plan regional objectives. This Project accomplishes several of those objectives including:

Poso Creek IRWMP Objectives #29 -Assist Economically Disadvantaged Communities

- Enhance water supply and treatment facilities
- Eliminate a source of groundwater contamination that directly affects the Poso Creek IRWMP area DAC's, and the Regional water supply.

The Project will also address the following Poso Creek IRWMP Planning Objectives:

Water Supply Reliability:

- Eliminating sources through destruction of problem wells will reduce groundwater contamination that affects the Poso Creek IRWMP area, DAC's and the regional water supply users will maintain and protect the local and regional water supply of clean water.
- Providing specific designs for water system upgrades will allow DACs to obtain construction funding that would be otherwise unavailable.

Groundwater Quality:

- Eliminating sources through destruction of problem wells will reduce groundwater contamination that affects the Poso Creek IRWMP area, DAC's and the regional water supply users will maintain and protect the local and regional water supply of clean water.

Water Supply Costs:

- Assisting DACs in design of necessary facilities will avoid direct costs to residents and therefore keep service costs as low as possible.
- Reduced contamination of the area water supply will reduce/eliminate costs needed to develop new supplies and treat contaminated groundwater.

The source of funding for ongoing expense will be from the agency budgets. Each entity has a Water Enterprise Fund in which customer user charges provide the source of funding to cover on-going operation and maintenance expenses.

12.5.3 Step C: Documentation of DAC Representation and Participation

12.5.3.1 DAC Community and City Participation

Each of the DAC communities and cities has been represented by Self Help Enterprises, an organization that has been very active in the project selection and grant application processes. Self-Help Enterprises has cataloged the DACs' drinking water and wastewater issues and needs throughout Kern County. Each community's proposed study was selected from organized list of community needs and potential solutions developed for the RWMG with input and support from each Community and Self-Help Enterprises. The RWMG has relied on the work of Self-Help Enterprises to effectively coordinate activity with any community who is unable to participate in the IRWM planning process on their own. Resources for some communities to participate are just not available locally. The RWMG has adopted a Memorandum of Understanding (MOU) that allows for a spokesperson for the participating parties to vote as a RWMG member, at no cost to the participants.

12.5.3.2 Overall Participation of DACs

The RWMG has adopted a Memorandum of Understanding (MOU) that allows for a spokesperson for the participating parties to vote as a RWMG member, at no cost to the participants. At the December, 2010 Poso Creek IRWM monthly meeting, Mike James, Public Works Director for City of Shafter, was elected to serve as the DAC Representative. The DACs in the Region now have Mr. James as a voting member on the Poso Creek RWMG.

The RWMG continues to address the needs for all of the DACs in the Region through a working relationship with Dave Warner and Jessi Snyder of Self-Help Enterprises. (A letter from Self-Help Enterprises documenting this relationship is included in the RAP application as Attachment B.) Self-Help Enterprises has cataloged the DACs' drinking water and wastewater issues and needs throughout Kern County. Self-Help Enterprises has provided an organized list of projects and contacts for the RWMG without burdening the communities with added planning expenses. The RWMG continues to rely on and support the work of Self-Help Enterprises to effectively coordinate activity with any community who is unable to participate in the IRWM planning process on their own. The RWMG also relies on the Community Water Center to provide support and guidance on DAC needs and issues.

12.6 Project 6 - Consolidation of Bishop Acres into City of Shafter Water Supply System

12.6.1 Step A: Documentation of the Presence and Needs of DACs

A DAC is defined as a community with an annual median household income that is less than 80 percent of the statewide annual median household income. The estimated median household income for the City of Shafter from the 2000 Census is \$ 29,515. The Bishop Acres area is adjacent to the City of Shafter is not included as separate census designated place but rather a portion of a larger area. The median household income for this larger area is \$34,345. The annual median household income for California is estimated to be \$47,493 in 1999 dollars (U.S. Census, <http://factfinder.census.gov>). Therefore, the median household income for the Bishop Acres area is 72.3% of the statewide annual median household income. The Bishop Acres neighborhood is a portion of a census designated place, whose boundaries were used to determine information relevant to DAC status.

Exhibit 12.6-1 provides information that was used to identify the Bishop Acres area adjacent to the City of Shafter as a DAC in the region and its boundary is shown in Appendix 12-1.

Exhibit 12.6-1

Bishop Acres Area (Adjacent to City of Shafter) Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	No, the Bishop Acres neighborhood which will benefit from the Project is a portion of a larger census block containing large areas of open space.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, The census block containing the Bishop Acres neighborhood had a median household income of \$34,345 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income:	2000
Source of information:	U.S. Census Bureau, Census 2000

The Bishop Acres area served by Project 6 is located outside the incorporation limits of the City of Shafter and within a separate and large census area. The Bishop Acres area is a low-income area of 26 households. The 2000 US Census, Median Household income is \$34,345. It is critically important for the City of Shafter to keep service rates as low as possible for its residents, many of whom are classified as low income.

The newly modified system would provide greater reliability to the neighborhood of Bishop Acres and would afford the City greater operational flexibility due to acquisition of an additional supply well. Project 6 was developed as a component of Poso Plan Project 29, to Assist Disadvantaged Communities to Enhance Water Supply, Drinking Water Treatment, and Waste Water Treatment Facilities. The project will allow a small water supply system in the Poso Creek Region to consolidate with a larger neighboring system, thus allowing the smaller system to meet water quality standards necessary to protect the health of their customers.

12.6.2 Step B: Description of Proposed Project and Targeted Benefits to DACs

Project 6 will provide the neighborhood of Bishop Acres with a more reliable water supply system without the need to upgrade its well for specific water quality issues. The City of Shafter (also a DAC) will acquire an additional water supply well to better match use with source water quality and allows for balancing its sources geographically without having to bear the expense of a new well.

The benefits of this Project align with the IRWM Plan regional objectives. This Project accomplishes several of those objectives including:

Poso Creek IRWMP Objectives #29 -Assist Economically Disadvantaged Communities

- Enhance water supply and treatment facilities

The Project would provide a more reliable water supply to the Bishop Acres area and would provide the City of Shafter with an additional water supply well.

The Project will also address the following Poso Creek IRWMP Operational Objectives:

1. Enhance Water Supply Reliability:

- The Project will provide a more reliable water supply to the Bishop Acres area and would provide the City of Shafter with an additional water supply well.

2. Maintain water supply costs:

- Reduced operation and maintenance costs in the bishop Acres area and avoid the costs of developing a new well for the City of Shafter.

The source of funding for ongoing reduced expense of reading meters will come from the City's enterprise fund which in part provides revenue for operation of the city's water supply system.

12.6.3 Step C: Documentation of DAC representation and participation

12.6.3.1 Bishop Acres area North Shafter Participation

Bishop Acres area has been represented by Self Help Enterprises, an organization that has been very active in the project selection, and grant application processes. Self-Help Enterprises has cataloged the DACs' drinking water and wastewater issues and needs throughout Kern County. The Consolidation of Bishop Acres into City of Shafter Water Supply System was selected from organized list of projects developed for the RWMG with input and support from the Community. The RWMG has relied on the work of Self-Help Enterprises to effectively coordinate activity with any community who is unable to participate in the IRWM planning process on their own. Resources for some communities to participate are just not available locally.

12.6.3.2 Overall Participation of DACs

Previously discussed in Section 12.5.3.2

12.7 Project 7 - North Shafter Sewer Hook-up Reimbursement Fund

12.7.1 Step A: Documentation of the Presence and Needs of DACs

A DAC is defined as a community with an annual median household income that is less than 80 percent of the statewide annual median household income. The estimated median household income for the City of Shafter from the 2000 Census is \$ 29,515. The North Shafter area of the City of Shafter, a census designated place within the City of Shafter has an estimated median household income of \$27,634. The annual median household income for California is estimated to be \$47,493 in 1999 dollars (U.S. Census, <http://factfinder.census.gov>). Therefore, the median household income for North Shasta area is 58.2% of the statewide annual median household income. The North Shafter area is a census designated place, and its boundaries were used to determine information relevant to DAC status.

Exhibit 12.7-1 provides information that was used to identify the North Shafter area of the City of Shafter as a DAC in the region and its boundary is shown in Appendix 12-1.

Exhibit 12.7-1**North Shafter Area of the City of Shafter Qualifications as DAC**

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the North Shafter area of the City of Shafter will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Shafter had a median income of \$27,634 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income:	2000
Source of information:	U.S. Census Bureau, Census 2000

The North Shafter area served by Project 7 comprises two neighborhoods, North Shafter and North Park, located within the incorporation limits of the City of Shafter and within the census area of North Shafter. The North Shafter area is a low-income area of 310 households and 1,007 persons including two farm labor camps. The community is home to many farm-workers and elderly residents. The 2000 US Census, Median Household income is \$27,634. It is critically important for the City of Shafter to keep service rates as low as possible for its residents, many of whom are classified as low income.

Replacing area septic systems with connections to the City of Shafter means that local water supplies are protected from water quality degradation and the sewer treatment is available at lower costs to rate payers. In addition, treating water is important, because recharge of better quality will increase availability local sources. Increasing the availability of local supplies will control costs and directly benefit low-income individuals and families.

12.7.2 Step B: Description of Proposed Project and Targeted Benefits to DACs

The goal of the Project is to Provide Sewer service to the North Shafter area, Most of the septic tanks are quite old with failing leach fields. Some households use deep seepage pits that drain the septic tank leachate closer to the groundwater. In 2005, 71% of the area's 240 properties reported failing septic systems and/or use of greywater disposal into their lawns to avoid overloading of septic systems and reduce septic tank pumping. North Shafter residents report that many are forced to have their septic tanks pumped three or more times per year. The City of Shafter and Regional Water Quality Control Board have declared a potential pollution problem for the area based on local well contamination from failing septic systems.

Project 7 provides funding for 240 individual homes to connect with a collection system and trunkline that will connect North Shafter to the City of Shafter/North of the River regional wastewater system and therefore allow the abandonment of existing problematic septic systems. Proposition 84 Grant Funding will be used to cover the non-funded Project costs up

to \$480,000. The City will manage the project and own and operate the project sewer system. The total cost of the sewer collection system and trunkline is \$2,467,700, which is being funded separately from Project 7.

Project 7 will eliminate sources of contaminants such as Nitrates and other pollutants to groundwater in the City of Shafter area, specifically, septic systems will be removed as a groundwater pollution problem. The wastewater will be sent to the City of Shafter/North of the River regional wastewater treatment plant where it will be treated and recycled for use on agricultural crops near the treatment plant site. This will help protect drinking and irrigation water quality in the area.

The benefits of this Project align with the IRWM Plan regional objectives. This Project accomplishes several of those objectives including:

Poso Creek IRWMP Objectives #29 -Assist Economically Disadvantaged Communities

- Enhance water supply and treatment facilities

The Project would eliminate a source of groundwater contamination that directly affects the North Shafter area, and also affects the Poso Creek IRWMP area, the City of Shafter and the Regional water supply.

The Project will also address the following Poso Creek IRWMP Operational Objectives:

3. Protect quality of groundwater and enhance where practical:

- The Project will improve groundwater quality by eliminating a source of groundwater contamination that directly affects the North Shafter area, and also affects the Poso Creek IRWMP area, the City of Shafter and the regional water supply.

4. Maintain water supply costs:

- Reduced contamination of the area water supply will reduce/eliminate costs needed to develop new supplies and treat contaminated groundwater.

12.7.3 Step C: Documentation of DAC representation and participation

12.7.3.1 North Shafter Participation

North Shafter has been represented by Self Help Enterprises, an organization that has been very active in the project selection, and grant application processes. Self-Help Enterprises has cataloged the DACs' drinking water and wastewater issues and needs throughout Kern County. The North Shafter Sewer Hook-up Reimbursement Fund Project was selected from

organized list of projects developed for the RWMG with input and support from the Community. The RWMG has relied on the work of Self-Help Enterprises to effectively coordinate activity with any community who is unable to participate in the IRWM planning process on their own. Resources for some communities to participate are just not available locally. The RWMG has adopted a Memorandum of Understanding (MOU) that allows for a spokesperson for the participating parties to vote as a RWMG member, at no cost to the participants.

12.7.3.2 Overall Participation of DACs

Previously discussed in Section 12.5.3.2

12.8 Project 8 - Provide Water Meters in Severely Disadvantaged Community Service Areas

12.8.1 Step A: Documentation of the Presence and Needs of DACs

A DAC is defined as a community with an annual median household income that is less than 80 percent of the statewide annual median household income. The estimated median household income for the City of Shafter from the 2000 Census is \$ 29,500. The areas that would benefit from the project are within and immediately adjacent to the City and include: North Shafter, South Shafter and Southwest Shafter. Specific neighborhoods that would receive the meters are: Mexican Colony, Cherokee Strip, Smith's Corner, North Shafter, North Park, North Shafter Farm Labor Camp, and Thomas Lane. The annual median household income for California is estimated to be \$47,493 in 1999 dollars (U.S. Census, <http://factfinder.census.gov>). Therefore, the median household income for the areas that would benefit from the project ranges from 58.2% to 72.3% of the statewide annual median household income. The City of Shafter area is a census designated place, and its boundaries were used to determine information relevant to DAC status.

Exhibit 12.8-1 provides information that was used to identify the North Shafter area of the City of Shafter as a DAC in the region and its boundary is shown in Appendix 12-1.

Exhibit 12.8-1**North Shafter Area of the City of Shafter Qualifications as DAC**

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the North Shafter area of the City of Shafter will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Shafter had a median income of \$27,634 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income:	2000
Source of information:	U.S. Census Bureau, Census 2000

Exhibit 12.8-1**South Shafter Area of the City of Shafter Qualifications as DAC**

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, the South Shafter area includes the neighborhoods of Burbank and Cherokee Strip, both of which will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, Burbank had a median income of \$29,219 (in 1999 dollars), and Cherokee Strip had a medium income of \$34,345, both of which are lower than the 80% of the California Median Household income.
Year for the median household income:	2000
Source of information:	2000 US Census, Summary Tape file 3, Census Tract 42, Block Group 1 (MHI= \$29,219) – Burbank Census Tract 39, Block Group 2 (MHI =\$34,345) – Cherokee Strip

Exhibit 12.8-1

Southwest Shafter, Mexican Colony, Smith's Corner, and Thomas Lane Areas near the City of Shafter
Qualifications as DAC

DAC Evaluation Criteria	Response
Is the entire DAC community benefitted by this Project?	Yes, all areas of the neighborhoods of Southwest Shafter, Mexican Colony, Smith's Corner, and Thomas Lane adjacent to the City of Shafter will benefit from the Project.
Median household income (MHI):	According to the 2000 American Fact Finder Community Survey, these neighborhoods had an aggregate medium income of \$27,634 (in 1999 dollars), which is lower than the 80% of the California Median Household income.
Year for the median household income:	2000
Source of information:	U.S. Census Bureau, Census 2000

The North Shafter area served by Project 8 comprises 3 neighborhoods, North Shafter and North Park, North Shafter Farm Labor Camp, located within the incorporation limits of the City of Shafter and within the census area of North Shafter. The North Shafter area is a low-income area of 310 households and 1,007 persons including the farm labor camp. The community is home to many farm-workers and elderly residents. The 2000 US Census, Median Household income is \$27,634. It is critically important for the City of Shafter to keep service rates as low as possible for its residents, many of whom are classified as low income.

The South Shafter area served by Project 8 comprises two neighborhoods, Burbank and Cherokee Strip located within the incorporation limits of the City of Shafter and within the census area of South Shafter. The South Shafter area is a low-income area of 276 persons. The community is home to many farm-workers and elderly residents. The 2000 US Census Median Household income for Burbank is \$29,219 and for Cherokee Strip is \$34,345. It is critically important for the City of Shafter to keep service rates as low as possible for its residents, many of whom are classified as low income.

Other areas that will be served by meters include Southwest Shafter, Mexican Colony, Smith's Corner, and Thomas Lane areas. These communities have about 348 households and a population of about 1,300 residents. Most of the Project area is located in US Census Tract 40, Block Group 1 and has a Median Household Income of \$27,634 as determined in the 2000 US Census.

12.8.2 Step B: Description of Proposed Project and Targeted Benefits to DACs

The goal of the Project is to upgrade water meter service to incorporated and adjacent unincorporated neighborhoods in the North Shafter, South Shafter and Southwest Shafter areas, most of these are unincorporated water customers that switched over to the City

system because of operational costs or water quality issues that they could not address on their own. Having these outside the City connections equipped with meters and radios to transmit consumption electronically will help the City avoid costs for retrofitting and labor for manual reads which would in turn force the City to pass along the costs to severely disadvantaged communities.

Project 8 would entail installation of 600 meters to retrofit and update in the areas surrounding the City that have, in the past, abandoned their community water wells and systems and connected with the City's water distribution system. Without Proposition 84 Grant funding (this application), the City estimates the residential water costs would increase approximately \$5 per month mostly because of the labor cost involved with manual meter reads. The City will manage the project and continue to own and operate the water supply system to the areas outside its incorporation boundary.

The benefits of this Project align with the IRWM Plan regional objectives. This Project accomplishes several of those objectives including:

Poso Creek IRWMP Objectives #29 -Assist Economically Disadvantaged Communities

- Enhance water supply and treatment facilities

The Project would provide a more efficient method to monitor water use in DAC areas around the City of Shafter. The City may use that information to better identify and eliminate leaks and water loss as well as educate customers about water conservation.

The Project will also address the following Poso Creek IRWMP Planning Objectives:

5. Enhance Water Supply Reliability:

- Improve the efficiency of metering water use in DAC areas with better response to water loss/leaks.

6. Water Supply Costs:

- The City will achieve reduced cost of delivering water supplies and will be better able to educate water users about actual use and opportunities to conserve.

The source of funding for ongoing reduced expense of reading meters will come from the City's enterprise fund which in part provides revenue for operation of the city's water supply system.

12.8.3 Step C: Documentation of DAC representation and participation

12.8.3.1 North Shafter, South Shafter and Southwest Shafter Participation

North Shafter, South Shafter and Southwest Shafter have been represented by Self Help Enterprises, an organization that has been very active in the project selection, and grant application processes. Self-Help Enterprises has cataloged the DACs' drinking water and wastewater issues and needs throughout Kern County. The project to provide water meters in severely disadvantaged community service areas was selected from organized list of projects developed for the RWMG with input and support from the Community. The RWMG has relied on the work of Self-Help Enterprises to effectively coordinate activity with any community who is unable to participate in the IRWM planning process on their own. Resources for some communities to participate are just not available locally. The RWMG has adopted a Memorandum of Understanding (MOU) that allows for a spokesperson for the participating parties to vote as a RWMG member, at no cost to the participants.

12.8.3.2 Overall Participation of DACs

Previously discussed in Section 12.5.3.2

12.8.4 Appendices

12-1 Disadvantaged Communities Information

12.8.5 Tables

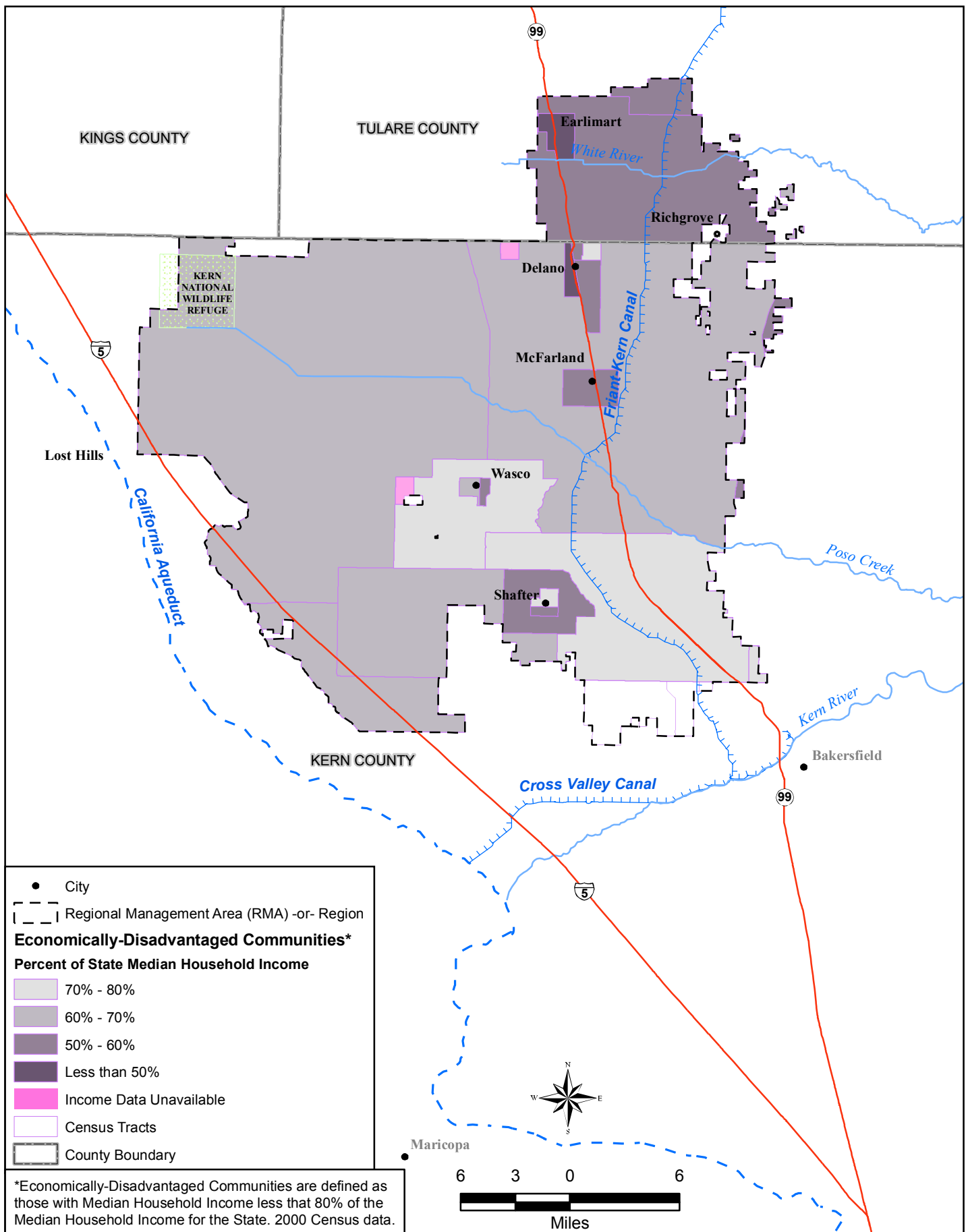
There are no tables in this section.

Memorandum

To: Files (073230) Appendix 12-1
From: Rick Iger
Re: DAC Background Information

Appendix 12-1 contains the following additional Disadvantaged Community (DAC) information:

1. Figure 1-6 of the Poso Creek Plan
2. Kern County Census Tracts 2000
3. Median Household Income Summary



Poso Creek Integrated
Regional Water Management Plan

Poso Creek Regional Management Group

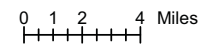
GEI Consultants
Bookman-Edmonston Division

Economically-Disadvantaged Communities
in Poso Creek IRWMP Region

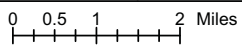
JUNE 2007

FIGURE 1-6

Delano

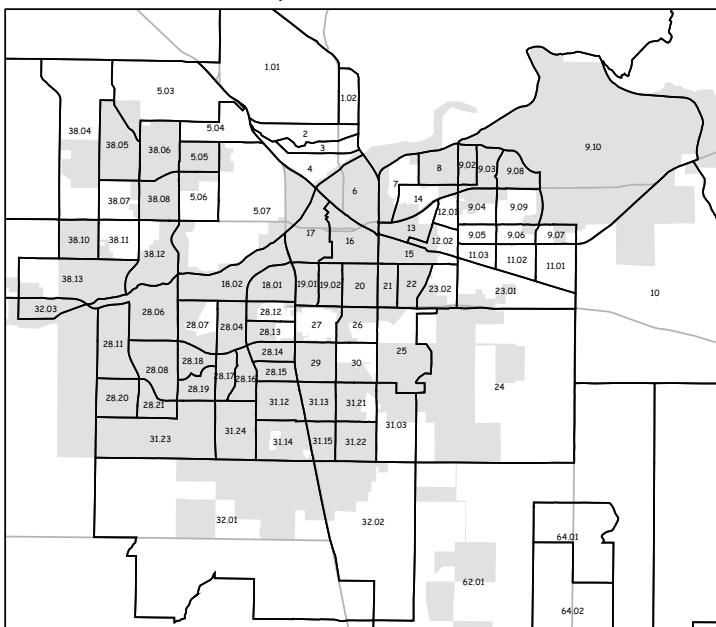


Wasco


$$\Delta_N$$

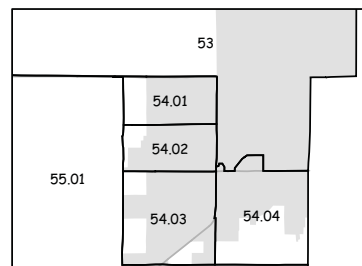
Incorporated Area

Metropolitan Bakersfield



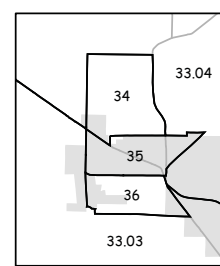
A horizontal number line representing distance in miles. It starts at 0 and ends at 8. There are tick marks at every integer from 0 to 8. The numbers 0, 2, 4, and 8 are labeled above the line. The word "Miles" is written at the right end of the line.

Ridgecrest



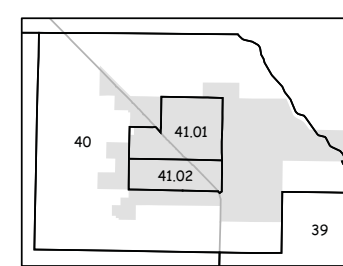
A horizontal number line representing distance in miles. It starts at 0 and ends at 4. Major tick marks are labeled 0, 1, 2, and 4. There are 3 smaller tick marks between each major tick mark, dividing each mile into 4 equal segments of 0.25 miles each.

Taft



A horizontal number line representing distance in miles. It starts at 0 and ends at 4. There are major tick marks at 0, 1, 2, and 4, labeled with their respective numbers. Between each major tick mark, there are three smaller tick marks, dividing each mile into four equal segments of 0.25 miles each. The word "Miles" is written at the right end of the line.

Shafter



A horizontal number line representing distance in miles. It starts at 0 and ends at 4. Major tick marks are labeled at 0, 1, 2, and 4. There are three smaller, unlabeled tick marks between each major tick mark, dividing each mile into four equal segments of 0.25 miles each.

Click on Census
Tract Number for
Census Data

Median Household Income Summary

Census Tract (2000 Census)	MHI in 1999	MHI as % of CA	Status	Remarks
California	\$ 47,493			
County Subdivisions (CCD) and Census Designated Places (CDP)				
McFarland-Delano CCD	\$ 27,250	57%	SDAC	Area surrounding McFarland-Delano
Shafter CCD	\$ 29,457	62%	DAC	Area surrounding Shafter
Wasco CCD	\$ 29,401	62%	DAC	Area surrounding Wasco
Lost Hills CDP	\$ 31,875	67%	DAC	Community of Lost Hills
Ducor CDP	\$ 33,125	70%	DAC	Community of Ducor
Census Tracts				
Kern County Tracts				
Tract 39	\$ 34,345	72%	DAC	Area containing Bishop Acres
Tract 40	\$ 27,634	58%	SDAC	Area containing North and Southwest Shafter
Tract 42	\$ 29,219	62%	DAC	Area containing South Shafter
Tulare County Tracts				
Tract 43 - Block 1	\$ 23,750	50%	SDAC	Community of Allensworth
Cities				
Delano	\$ 28,143	59%	SDAC	
Shafter	\$ 29,515	62%	DAC	
Wasco	\$ 28,997	61%	DAC	

Data from 2000 census. Downloaded from:

<http://factfinder.census.gov/>